

REMARKS

Claims 5, 6 and 12-15 are pending in this application. By this Amendment, independent claims 5 and 14 amended to recite that the difference between the gray scale values of red color sub pixels of adjacent pixels is greater than the difference between blue color sub pixels of adjacent pixels. Support for these amendments can be found, for example, in paragraph [0045] of the specification as filed. Claim 6 is amended for clarity. No new matter is added.

I. The Claims Are Patentable Over The Applied References

The Office Action (1) rejects claims 5, 6 and 12-14 under 35 U.S.C. §103(a) over U.S. Patent No. 6,801,220 to Greier et al. (hereinafter "Greier") in view of U.S. Patent No. 5,886,682 to Biggs; and (2) rejects claim 15 under 35 U.S.C. §103(a) over Greier in view of Biggs and further in view of U.S. Patent No. 7,009,579 to Kondo et al. (hereinafter "Kondo"). Applicants respectfully traverse the rejections.

Regarding independent claims 5 and 14, the applied references fail to disclose (1) "for each pixel group, after converting the resolution, the viewing angle range adjustment device sets different gray scale values for the same color sub pixels of adjacent one of the first, second, third and fourth pixels" (claim 5) and "the viewing angle range adjustment device, within each group of image pixels, adjusts the gray scale values to be different for the same color sub pixels of the corresponding first, second, third and fourth pixels" (claim 14); and (2) "for each pixel group [or "group of image pixels"], after the gray scale values are set, a difference between red color sub pixels of adjacent pixels is greater than a difference between blue color sub pixels of adjacent pixels" (claims 5 and 14).

Regarding feature (1) quoted above, the Office Action cites to Greier, Fig. 19, as allegedly showing that the gray scale values of same color sub pixels are different, alleging that a sub pixel will have a different gray scale value than a same color sub pixel having a

same voltage but a different polarity, citing U.S. Patent Application Publication No. 2002/0044126 to Aoki at paragraph [0021] in support of its conclusion.

Applicants respectfully submit that the Office Action is mischaracterizing Aoki. At paragraph [0021], Aoki states "a small difference in the effective voltages applied to the liquid crystal capacitor causes a great change in the gray level." That is, Aoki states that a different in voltage will result in a different in gray scale value. This is the basic operation of liquid crystal displays. Aoki further states "conversely, when an image signal, which corresponds to gray, is ultimately applied to the pixel electrode at the positive polarity and the negative polarity so that the gray levels are adjusted to be approximately the same, the effective voltages applied to the liquid crystal capacitor at both polarities can be equalized." Thus, Aoki states that the problem of having small differences in effective voltages which result in "a great change" in the gray level can be adjusted to be the same by having pixels at same both positive and negative polarities and equalizes the effective voltage. That is, contrary to the Office Action's characterization of Aoki, Aoki expressly states that pixels having opposite polarities will have the same gray scaled provided they have the same effective voltage.

Regarding feature (2) quoted above, Greier fails to disclose a difference in the gray scale value of red color sub pixels of a pixel group that is greater than a difference in the gray scale values of blue color sub pixels because (1) Greier fails to disclose any difference in gray scale values of same color sub pixels as discussed above and (2) even if opposite polarities for same color sub pixels having the same effective voltages can be considered as corresponding to different gray scale values (the Office Action has not established this as discussed above), Greier does not disclose that the difference in gray scale values for red color sub pixels is greater than the difference in gray scale values for blue color sub pixels, as claimed.

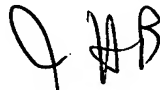
For the foregoing reasons, Applicants request withdrawal of the rejections.

II. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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